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**RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE - EXAMINING GROUP 1740**

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **DO NOT ENTER**

Applicants : Bo Mattiasson et al.
Application No. : 09/508,775
Filed : October 25, 2000
For : METAL ION SPECIFIC CAPACITY AFFINITY SENSOR

OK TO ENTER

as 2/28/05

Examiner : Arlen Soderquist
Art Unit : 1743
Docket No. : 100096.403USPC
Date : February 9, 2005

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE UNDER 37 CFR §1.116

Commissioner for Patents:

In response to the final Office Action mailed December 15, 2004, please amend the application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.